

METHODS FOR MANUFACTURING ARRAYS

ABSTRACT OF THE DISCLOSURE

5           Apparatus and methods are disclosed for synthesizing a plurality of compounds  
on the surface of supports. Biopolymer features are attached to the surfaces of the  
supports. The synthesis generally comprises a plurality of steps. In the present invention  
at least two of the steps are performed by placing a support having a functionalized  
surface into a chamber of a flow cell and subjecting the surface to a step of the synthesis  
10 and placing the support into a chamber of another flow cell and subjecting the surface to  
another step of the synthesis. An apparatus generally comprises a plurality of flow cells  
and one or more fluid dispensing stations are mounted on the platform and are in fluid  
communication with one or more of the plurality of flow cells. A station for monomer  
addition to the surface of the support is mounted on the platform. The apparatus further  
15 comprises a mechanism for moving a support to and from the station for monomer  
addition and a flow cell and from one flow cell to another flow cell.

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